

CTXATM Hip Bone Mineral Densitometry

Name: JONES, GRANDMA

Sex: Female
Age: 64
Comments:

DOB: 8/21/1943
Date: 5/17/2008

ID: 12345
Exam: 1

Radiologist: Red
Referring Physician: Green

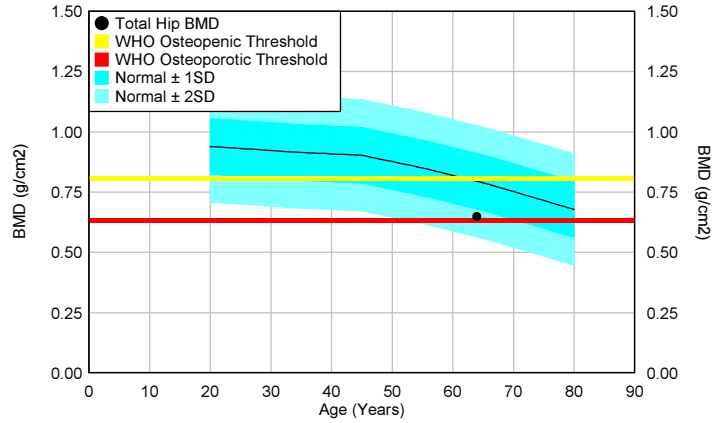
Analysis Results

Hip Analyzed: Left

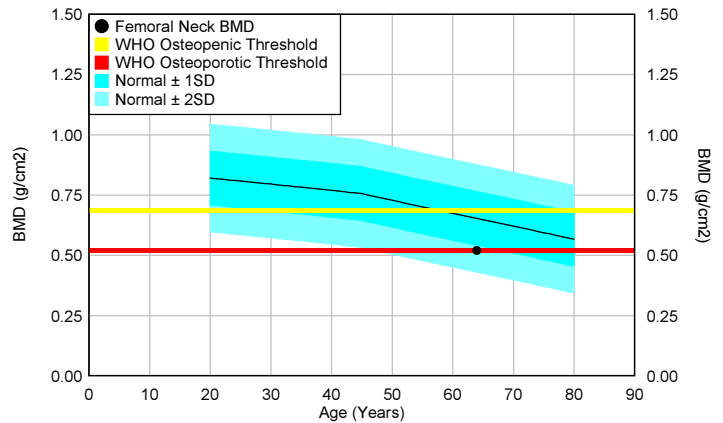
ROI	BMD (g/cm ²)	T-Score	Z-Score
Total Hip	0.648	-2.36	-1.17
Femoral Neck	0.519	-2.49	-1.26
Trochanter	0.515	-1.78	-0.81
Intertrochanter	0.817	-2.04	-0.93

Reference Data: CTXA

Interpretation: A T-score for the Total Hip region of interest between -1 and -2.5 is defined as osteopenia, or low normal bone density, by World Health Organization (WHO) guidelines.



Patient BMD Value Compared to Age-Matched CTXA Total Hip Reference Data



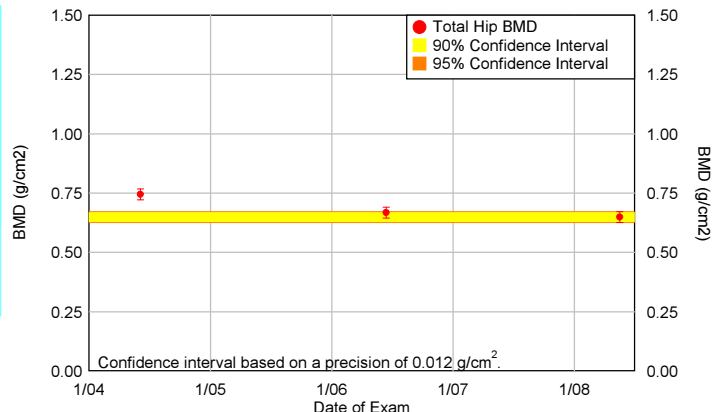
Patient BMD Value Compared to Age-Matched CTXA Femoral Neck Reference Data

The WHO classification criteria for T-scores

T-score	Classification
greater than -1.0	Normal
between -1.0 and -2.5	Osteopenia
below -2.5	Osteoporosis
below -2.5 with fracture	Severe Osteoporosis

Comparison with Previous Examinations

Date	BMD (g/cm ²)		Change (g/cm ²)	
	Neck	Total	Neck	Total
6/4/2004	0.598	0.745	--	--
6/14/2006	0.533	0.668	-0.065	-0.077
5/17/2008	0.519	0.648	-0.014	-0.020
Change per Year, all (g/cm ² /year):			-0.020	-0.024
Change per Year, last (g/cm ² /year):			-0.007	-0.010



Comparison with Previous Examinations (Total Hip)

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

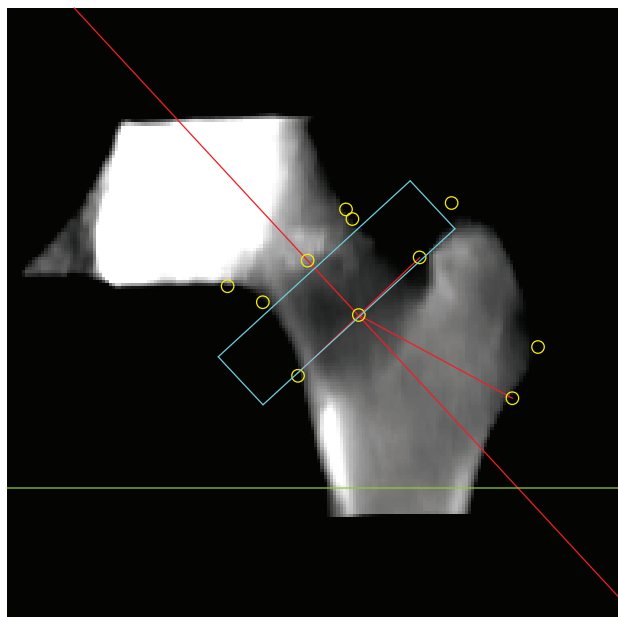
Name: JONES, GRANDMA
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 Sex: Female
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CT Scan Parameters

kVp: 130
 mA: 100
 Scan Time: 1.00
 Table Height: 183.0
 SFOV: 1
 Slice Thickness (mm): 3.00
 FUC: 0.870

ROI Measurements

ROI	BMD (g/cm ²)	BMD (mg/cm ³)	Mass (grams)	Area (cm ²)	Volume (cm ³)
Total Bone Compartment					
Neck (User Defined)	.519	238.1	2.86	5.51	12.0
Femoral Neck	.494	235.2	2.97	6.01	12.6
Trochanter	.515	183.9	5.37	10.41	29.2
Intertrochanter	.817	263.2	11.26	13.78	42.8
Total Hip	.648	231.7	19.60	30.23	84.6
Cortical Compartment					
Femoral Neck	.342	808.5	2.05	6.01	2.5
Trochanter	.250	644.7	2.61	10.41	4.0
Intertrochanter	.592	790.2	8.16	13.78	10.3
Total Hip	.424	758.5	12.82	30.23	16.9
Trabecular Compartment					
Femoral Neck	.152	90.6	.91	6.01	10.1
Trochanter	.265	109.6	2.76	10.41	25.1
Intertrochanter	.224	95.3	3.09	13.78	32.5
Total Hip	.224	99.9	6.76	30.23	67.7



Segmentation Parameters

High Threshold: 80.0 mg/cm³
 Low Threshold: -250.0 mg/cm³
 Range: 0.0850
 Cortical Bone Threshold: 350.00 mg/cm³
 Hip Analyzed: Left

Geometric Measurements

Femoral Neck Axis Angle: 47.3 degrees
 Femoral Neck Width: 27.8 mm
 Hip Axis Length: 106.1 mm
 FN ROI Height: 15.0 mm

Image not intended for diagnostic purposes.